

AMENDMENT TO THE CLAIMS

No claims have been cancelled.

No new claims have been added.

Claim 15 has been amended.

1.—6. (Cancelled)

7. (Previously presented) A system comprising:

a first wireless transmitting unit configured to transmit a first signal comprising a leading portion and a data portion different from the leading portion, the leading portion comprising a first waveform signal having a first wavelength;

a second wireless transmitting unit configured to transmit a second signal comprising a leading portion and a data portion different from the leading portion, the leading portion comprising a second waveform signal having a second wavelength different from the first wavelength; and

a wireless receiving unit configured to receive the first signal and the second signal and determine the first signal was transmitted by the first wireless transmitting unit based on the first wavelength and the second signal was transmitted by the second wireless transmitting unit based on the second wavelength.

8. (Previously presented) The system of claim 7, wherein the first wireless transmitting unit is a wireless mouse, a wireless keyboard, or a wireless touch pad.

9. (Previously presented) The system of claim 8, wherein the second wireless transmitting unit is a wireless mouse, a wireless keyboard, or a wireless touch pad.

10. (Previously presented) The system of claim 7, wherein the wireless receiving unit comprises an electronic circuit configured to determine the first signal was

transmitted by the first wireless transmitting unit based on the first wavelength and the second signal was transmitted by the second wireless transmitting unit based on the second wavelength.

11. (Previously presented) The system of claim 10, wherein the electronic circuit is configured to output a low level signal when the wireless receiving unit receives the first signal and a high level signal when the wireless receiving unit receives the second signal.

12. (Previously presented) The system of claim 7, wherein the first wireless transmitting unit comprises a timer configured to determine the first wavelength of the first waveform signal of the leading portion of the first signal and the second wireless transmitting unit comprises a timer configured to determine the second wavelength of the second waveform signal of the leading portion of the second signal.

13. (Previously presented) The system of claim 12, wherein the timer of the first wireless transmitting unit is set with a first time parameter configured to generate the first waveform signal having the first wavelength and the timer of the second wireless transmitting unit is set with a second time parameter different from the first time parameter configured to generate the second waveform signal having the second wavelength.

14. (Previously presented) The system of claim 7, wherein the first wireless transmitting unit and the second wireless transmitting unit transmit the first and second signals, respectively, using the same transmit frequency.

15. (Currently amended) A system comprising:
a first wireless transmitting unit comprising means for generating a first signal comprising a leading portion and a data portion different from the leading portion, the leading portion comprising a first waveform signal having a first wavelength and means for transmitting the first signal to a wireless receiving unit;

a second wireless transmitting unit ~~configured to generate~~means for generating a second signal comprising a leading portion and a data portion different from the leading portion, the leading portion comprising a second waveform signal having a second wavelength different from the first wavelength and means for transmitting the second signal to the wireless receiving unit; and

a wireless receiving unit comprising means for receiving the first signal and the second signal and means for determining the first signal was transmitted by the first wireless transmitting unit and the second signal was transmitted by the second wireless transmitting unit based on the first and second wavelengths.

16. (Previously presented) A wireless receiving unit for use with a plurality of wireless transmitting units, each wireless transmitting unit transmitting a signal having a leading portion and a data portion different from the leading portion, the leading portion comprising a waveform signal, each of the waveform signals transmitted by the plurality of wireless transmitting units having a different wavelength, the wireless receiving unit comprising:

a wireless receiving module configured to receive the signals transmitted by the plurality of wireless transmitting units; and

an electronic circuit configured to distinguish the signals received from one another based on differences in the wavelengths of the waveform signals of the leading portions of the received signals.

17. (Previously presented) The wireless receiving unit of claim 16, wherein the electronic circuit is configured to output a signal having a different signal level for each different wavelength of the waveform signals of the leading portions of the received signals.

18. (Previously presented) The wireless receiving unit of claim 16, wherein the electronic circuit is a charging and discharging circuit.

19. (Previously presented) A method comprising:

receiving a first signal lacking a device identifier from a first wireless transmitting unit, the first signal having a leading portion preceding a data portion, the leading portion having a waveform signal with a first wavelength;

receiving a second signal lacking a device identifier from a second wireless transmitting unit, the second signal having a leading portion preceding a data portion, the leading portion having a waveform signal with a second wavelength; and

determining the first signal was transmitted by the first wireless transmitting unit and the second signal was transmitted by the second wireless transmitting unit based on the first and second wavelengths.

20. (Previously presented) The method of claim 19, further comprising:
at the first wireless transmitting unit, transmitting the first signal; and
at the second wireless transmitting unit, transmitting the second signal.

21. (Previously presented) The method of claim 19, further comprising:
identifying first data in the first signal;
sending the first data to a first driver in a computer for processing thereby;
identifying second data in the second signal; and
sending the second data to a second driver in a computer for processing thereby.